

10/660,738

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NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 JAN 17 Pre-1988 INPI data added to MARPAT
NEWS 4 FEB 21 STN AnaVist, Version 1.1, lets you share your STN AnaVist
visualization results
NEWS 5 FEB 22 The IPC thesaurus added to additional patent databases on STN
NEWS 6 FEB 22 Updates in EPFULL; IPC 8 enhancements added
NEWS 7 FEB 27 New STN AnaVist pricing effective March 1, 2006
NEWS 8 MAR 03 Updates in PATDPA; addition of IPC 8 data without attributes
NEWS 9 MAR 08 X.25 communication option no longer available after June 2006
NEWS 10 MAR 22 EMBASE is now updated on a daily basis
NEWS 11 APR 03 New IPC 8 fields and IPC thesaurus added to PATDPAFULL
NEWS 12 APR 03 Bibliographic data updates resume; new IPC 8 fields and IPC
thesaurus added in PCTFULL
NEWS 13 APR 04 STN AnaVist \$500 visualization usage credit offered
NEWS 14 APR 12 LINSPEC, learning database for INSPEC, reloaded and enhanced
NEWS 15 APR 12 Improved structure highlighting in FQHIT and QHIT display
in MARPAT
NEWS 16 APR 12 Derwent World Patents Index to be reloaded and enhanced during
second quarter; strategies may be affected
NEWS 17 MAY 10 CA/CAPLUS enhanced with 1900-1906 U.S. patent records
NEWS 18 MAY 11 KOREAPAT updates resume

NEWS EXPRESS FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.
V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT
<http://download.cas.org/express/v8.0-Discover/>

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NEWS LOGIN Welcome Banner and News Items
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* * * * *

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 13:47:16 ON 16 MAY 2006

=>

Uploading

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=> FILE REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 13:47:28 ON 16 MAY 2006

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 15 MAY 2006 HIGHEST RN 884382-45-0

DICTIONARY FILE UPDATES: 15 MAY 2006 HIGHEST RN 884382-45-0

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TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

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*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
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* available and contains the CA role and document type information. *
*

Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of

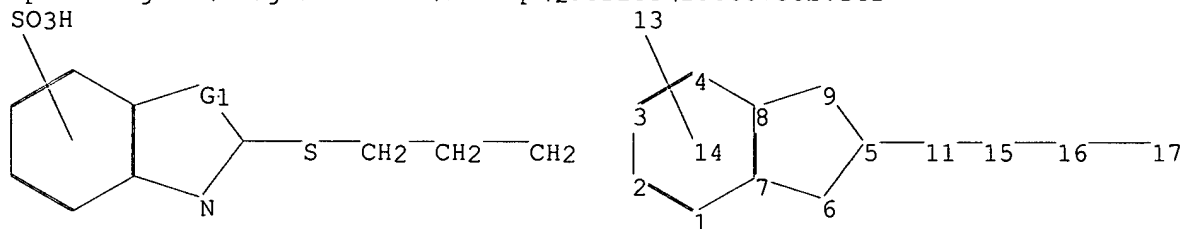
experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10660738b.str

SO₃H



chain nodes :

11 13 15 16 17

ring nodes :

1 2 3 4 5 6 7 8 9

chain bonds :

5-11 11-15 15-16 16-17

ring bonds :

1-2 1-7 2-3 3-4 4-8 5-6 5-9 6-7 7-8 8-9

exact/norm bonds :

5-6 5-9 5-11 6-7 8-9 11-15 15-16 16-17

normalized bonds :

1-2 1-7 2-3 3-4 4-8 7-8

isolated ring systems :

containing 1 :

G1:O,S,N

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 11:CLASS

13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS

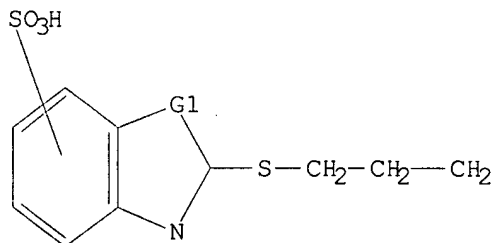
L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

L1 STR

SO₃H



G1 O,S,N

Structure attributes must be viewed using STN Express query preparation.

=> s 11 sss full

FULL SEARCH INITIATED 13:47:47 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 190 TO ITERATE

100.0% PROCESSED 190 ITERATIONS 4 ANSWERS
SEARCH TIME: 00.00.01

L2 4 SEA SSS FUL L1

=> FIL CAPLUS

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

166.94

167.15

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FILE COVERS 1907 - 16 May 2006 VOL 144 ISS 21
FILE LAST UPDATED: 15 May 2006 (20060515/ED)

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=> s l2

L3 4 L2

=> d l3 ibib abs hitstr tot

L3 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:1054334 CAPLUS

DOCUMENT NUMBER: 142:45820

TITLE: Surfactants for use in light-insensitive thermographic recording materials

INVENTOR(S): Defieuw, Geert; Loccufier, Johan; Van Steen, Luc; Van Thillo, Etienne

PATENT ASSIGNEE(S): Agfa-Gevaert, Belg.

SOURCE: Eur. Pat. Appl., 37 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1484640	A1	20041208	EP 2003-101662	<u>20030606</u>
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
US 2005053871	A1	20050310	US 2003-601361	20030623
US 7040929	B2	20060509		
JP 2004358934	A2	20041224	JP 2003-181230	20030625

PRIORITY APPLN. INFO.:

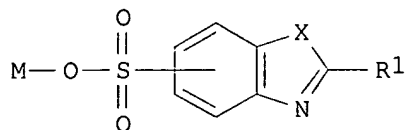
EP 2003-101662

A 20030606

OTHER SOURCE(S):

MARPAT 142:45820

GI



I

AB A substantially light-insensitive monosheet thermog. recording material comprises a support and on one side of said support a thermosensitive element, wherein said thermog. recording material contains at least one compound represented by the formula I: (M = H, alkali, ammonium; R1 = alkyl, alkenyl-, alkynyl-, thioalkyl-, thioalkenyl-, thioalkynyl-, in which the alkyl-, alkenyl- or alkynyl- group has 6-25 carbons; X = -O-, -S-, -N(R2)-; R2 = H, -(CH2)mSO3M, CH2-C6H6-SO3M; m = 1-5). The object of the present invention is to provide substantially light-insensitive thermog. recording materials containing alternative photog. inactive surfactants, which enhances the adhesion of hydrophilic layers to hydrophobic supports, has no photog. active impurities and is compatible with image-wise heating with a thermal head when incorporated into the outermost layer.

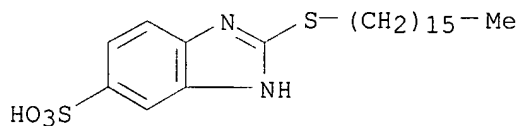
IT 743423-33-8P

RL: SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(surfactants for use in light-insensitive thermog. recording materials)

RN 743423-33-8 CAPLUS

CN 1H-Benzimidazole-5-sulfonic acid, 2-(hexadecylthio)-, monosodium salt (9CI) (CA INDEX NAME)



● Na

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:691447 CAPLUS

DOCUMENT NUMBER: 141:215717

TITLE: Surfactants for photographic material

INVENTOR(S): Van Thillo, Etienne; Loccufier, Johan; Andries, Hartwig

PATENT ASSIGNEE(S): Agfa-Gevaert, Belg.

SOURCE: U.S., 15 pp.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 6780576	B1	20040824	US 2003-601788	20030623
EP 1484323	A1	20041208	EP 2003-101661	20030606
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2004359649	A2	20041224	JP 2003-186994	20030630
US 2004249166	A1	20041209	US 2003-725167	20031201
US 7015332	B2	20060321		

PRIORITY APPLN. INFO.:

EP 2003-101661

A 20030606

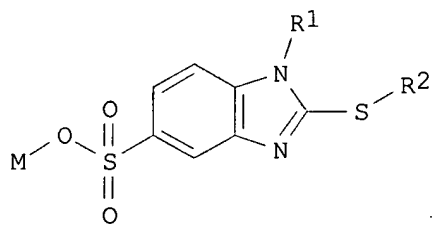
US 2003-601788

A3 20030623

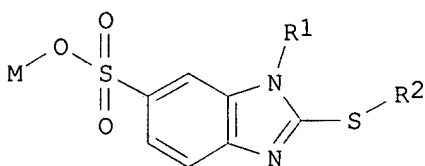
OTHER SOURCE(S):

MARPAT 141:215717

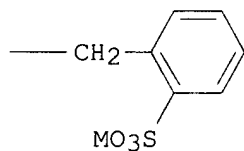
GI



I



II



III

AB The present invention relates to a compound represented by formula I or II (M = H, alkali atom or an ammonium group; R1 = H, -(CH2)_mSO₃M group, III; R2 = alkyl, alkenyl, C6-25 alkynyl; m = 1-5) or a mixture of at least one compound represented by formula I with at least one compound represented by formula II; the use of as a surfactant; and a photog. material comprising a support and a layer containing photosensitive silver halide, characterized in that the photog. material contains at least one compound represented by the above-mentioned formula I, at least one compound represented by the above-mentioned formula II or a mixture of at least one compound represented by the above-mentioned formula I and at least one compound represented by the above-mentioned formula II.

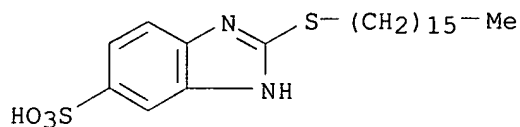
IT **743423-33-8P**

RL: RCT (Reactant); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(preparation of surfactants for photog. material)

RN 743423-33-8 CAPLUS

CN 1H-Benzimidazole-5-sulfonic acid, 2-(hexadecylthio)-, monosodium salt (9CI) (CA INDEX NAME)



● Na

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1963:54319 CAPLUS
 DOCUMENT NUMBER: 58:54319
 ORIGINAL REFERENCE NO.: 58:9338h,9339a-b
 TITLE: Higher-molecular-weight 2-acyloxyalkanesulfonates
 INVENTOR(S): Elbel, Eberhard
 PATENT ASSIGNEE(S): Farbwerke Hoechst A.-G.
 SOURCE: 3 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: Unavailable
 PATENT INFORMATION:

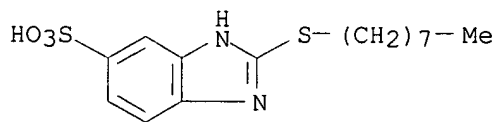
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 1121045		19620104	DE	19581009

AB The title compds. are prepared by treating aliphatic or cyclic carboxylic acids containing ≥ 8 C atoms with a 2-hydroxyalkanesulfonate at 180-300° under reduced pressure, and by distilling off the main part of the H2O at 60-80 mm. The compds. are anionic surfactants. Thus, to 2680 parts melted hydrogenated palm-kernel oil fatty acid, 900 parts 98% HO(CH2)2SO3Na (I) containing 1.1% Na2SO3 is added. The mixture is heated rapidly to 220°, the pressure reduced to 60-80 mm. (a mixture consisting mainly of H2O and a small amount of fatty acid b. 115-25°), the pressure being regulated in such a manner that this temperature is not exceeded during the H2O cleavage, and the pressure is reduced to 30 mm. towards the end of the reaction (approx. 2 hrs.). At the end of the reaction, the excess fatty acids are distilled at 8-10 mm. and the residue cooled under a stream of N to give 95% of a light-yellow wax containing 77.6% surface-active material (mean mol. weight 353.5), 19.3% free fatty acids, 1.4% soap, and 1.7% I.

IT **97493-77-1**, 5(or 6)-Benzimidazolesulfonic acid, 2-(octylthio)-, sodium salt
 (surface-active substances containing)

RN 97493-77-1 CAPLUS

CN 5(Or 6)-Benzimidazolesulfonic acid, 2-(octylthio)-, sodium salt (7CI) (CA INDEX NAME)



● Na

L3 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1963:54318 CAPLUS
DOCUMENT NUMBER: 58:54318
ORIGINAL REFERENCE NO.: 58:9338f-h
TITLE: Alkylarenesulfonate surfactants
INVENTOR(S): Szulc, Henryk
PATENT ASSIGNEE(S): Dolnoslaskie Zaklady Chemiczne Zarow
SOURCE: 3 pp.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
PATENT INFORMATION:

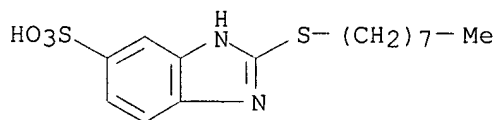
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
PL 45710		19620315	PL	19601105

AB Surfactants of good detergency and emulsifying, frothing, dispersing, wetting, cleaning, and washing properties can be obtained by condensation of alkali metal salts of 2-mercaptobenzimidazole with C5-10 normal or branched-chain hydrocarbons and ≥ 1 halogen atom (they may also contain ≥ 1 ether or OH group) followed by sulfonation of the resulting 2-alkylmercaptobenzimidazole. Thus, 380 g. of an aqueous solution containing 58 g. 2-mercaptobenzimidazole was refluxed and stirred with 300 ml. EtOH and 59 g. 2-chlorooctane, brought to the boil (82°), and kept at 82° for 20 hrs. (the solution pH should be 7-9). EtOH is distilled and traces of EtOH and excess 2-chlorooctane are removed by steam distillation. The residue is washed with H2O until neutral, transferred to an evaporating dish, and cooled to yield 2-octylmercaptobenzimidazole (I) (94%), m. 42°. H2SO4 (30% oleum) (300 g.) is treated with 140 g. of dried, ground I at $\leq 50^\circ$. The mixture is stirred at 50° until no suspension is obtained by neutralization of a sample with NaOH, poured into 800 ml. of cold H2O (the temperature should be $\leq 50^\circ$), and neutralized with Ca(OH)2 against Congo red. The resulting precipitate containing CaSO4 is filtered and washed with 50 ml. H2O. The filtrate is treated with 10% aqueous Na2CO3 until a slightly alkaline reaction takes place, the precipitate containing CaCO3, is filtered, and the filtrate evaporated to dryness to give Na 2-octylmercapto-6-benzimidazolesulfonate (97%), m. 132°, which can be used as a surfactant in the form of an aqueous solution ($\geq 0.7\%$).

IT **97493-77-1**, 5(or 6)-Benzimidazolesulfonic acid, 2-(octylthio)-, sodium salt
(surface-active substances containing)

RN 97493-77-1 CAPLUS

CN 5(Or 6)-Benzimidazolesulfonic acid, 2-(octylthio)-, sodium salt (7CI) (CA INDEX NAME)



● Na

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1013536 SOLID
282455 SOLIDS